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OM protein - protein search, using sw model

Run on: May 19, 2003, 16:48:18 ; Search time 34.139 Seconds
(without alignments)
1056.640 Million cell updates/sec

Title: US-09-625-573-2

Perfect score: 1970

Sequence: MLSTSRSRIRNTNESGEV.....:GKGSIGRAPEASLQDKEGA 374

Scoring table: BLASTM62
Gapext 10.0 , Gapext 0.5

Searched: 362588 seqs, 96450795 residues

Total number of hits satisfying chosen parameters: 362588

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Published_Applications_AA:
 1: /cgn2_6_ptodata/2/pubpaas/US08_NEW_PUB_pep:
 2: /cgn2_6_ptodata/2/pubpaas/PCT_NEW_PUB_pep:
 3: /cgn2_6_ptodata/2/pubpaas/US06_NEW_PUB_pep:
 4: /cgn2_6_ptodata/2/pubpaas/US06_PUBCOMB_pep:
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 8: /cgn2_6_ptodata/2/pubpaas/US08_PUBCOMB_pep:
 9: /cgn2_6_ptodata/2/pubpaas/US09_NEW_PUB_pep:
 10: /cgn2_6_ptodata/2/pubpaas/US09_PUBCOMB_pep:
 11: /cgn2_6_ptodata/2/pubpaas/US10_NEW_PUB_pep:
 12: /cgn2_6_ptodata/2/pubpaas/US10_PUBCOMB_pep:
 13: /cgn2_6_ptodata/2/pubpaas/US60_NEW_PUB_pep:
 14: /cgn2_6_ptodata/2/pubpaas/US60_PUBCOMB_pep:
 * Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1823	92.5	344	9 US-10-232-686-9	Sequence 9, Appli
2	1823	92.5	344	10 US-09-779-879A-9	Sequence 9, Appli
3	1823	92.5	344	10 US-09-779-880A-9	Sequence 9, Appli
4	1727.5	87.7	329	10 US-09-725-285-9	Sequence 9, Appli
5	1727.5	87.7	329	10 US-09-195-662A-9	Sequence 9, Appli
6	1727.5	87.7	329	10 US-09-339-912A-9	Sequence 9, Appli
7	1727.5	87.7	329	10 US-09-502-783A-9	Sequence 9, Appli
8	1651.5	83.8	360	10 US-09-131-827A-2	Sequence 20, Appli
9	1650.5	83.8	360	10 US-09-131-827A-20	Sequence 2, Appli
10	1645.5	83.5	360	10 US-09-938-719A-7	Sequence 7, Appli
11	1645.5	83.5	360	10 US-09-939-226-7	Sequence 7, Appli
12	1645.5	83.5	360	10 US-09-938-703-7	Sequence 7, Appli
13	1589.5	80.7	347	10 US-09-792-3	Sequence 3, Appli
14	1224	62.1	352	9 US-10-232-686-2	Sequence 2, Appli
15	1224	62.1	352	10 US-09-725-685-2	Sequence 2, Appli
16	1224	62.1	352	10 US-09-759-841-2	Sequence 2, Appli
17	1224	62.1	352	10 US-09-779-880A-22	Sequence 22, Appli
18	1224	62.1	352	10 US-09-779-880A-22	Sequence 22, Appli
19	1224	62.1	352	10 US-09-813-653-15	Sequence 15, Appli

ALIGNMENTS

RESULT 1
US-10-232-686-9
; Sequence 9, Application US-10232686
; Publication No. US-200302304A1
; GENERAL INFORMATION:
; APPLICANT: Li, YI
; ATTORNEY: Ruben, Steven M.
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor (CCR5) HDGNR10
; FILE REFERENCE: 148B 115000N
; CURRENT APPLICATION NUMBER: US-10/232,686
; CURRENT FILING DATE: 2002-09-03
; PRIOR APPLICATION NUMBER: 09/339,912
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/195,662
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-232-686-9

Query Match 92.5%; Score 1823; DB 9; Length 344;
Best Local Similarity 100.0%; Pred. No. 1.e-10; Indels 0; Gaps 0;

Matches 344; Conservative 0; Mismatches 0;

QY 18 EEVTEFFDDYDGYAPCHKFDVKQIGAQOLLPPSLYETFGFVGNMVLYVLLINCKKLKCLT 77
Db 1 EEVTEFFDDYDGYAPCHKFDVKQIGAQOLLPPSLYETFGFVGNMVLYVLLINCKKLKCLT 60

QY 78 DVIYLNLAISDLFLITPLWAHSAANNEWFGNACKLFTGLYHIGYFGGGTFITLTID 137
Db 61 DVIYLNLAISDLFLITPLWAHSAANNEWFGNACKLFTGLYHIGYFGGGTFITLTID 120

QY 138 RYLAVHAYFAALKARTVTEGVVTSVTLVAYEASVPGILETKQKEDSVYVGPFPRG 197
Db 121 RYLAVHAYFAALKARTVTEGVVTSVTLVAYEASVPGILETKQKEDSVYVGPFPRG 180

QY 198 WNNFTIMRNLTGLVLPLIMIVCYSGILKTLRCRNEKKRRAVRVIFTIMIVYFLFWT 257

RESULT 2
 US-09-779-879A-9
 ; Sequence 9, Application US/09779879A
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Roschke, Viktor
 ; APPLICANT: Li, Yi
 ; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGNR10
 ; FILE REFERENCE: 1488.115000C
 ; CURRENT APPLICATION NUMBER: US/09/779, 880A
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIORITY NUMBER: US 60/181, 258
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIORITY NUMBER: US 60/187, 999
 ; PRIOR FILING DATE: 2000-03-09
 ; PRIORITY NUMBER: US 60/234, 336
 ; PRIOR FILING DATE: 2000-09-22
 ; NUMBER OF SEQ ID NOS: 58
 ; SEQ ID NO 9
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-779-880A-9

Query Match 92.5%; Score 1823; DB 10; Length 344;
 Best Local Similarity 100.0%; Pred. No. 1.6e-155; Indels 0; Gaps 0;
 Matches 344; Conservative 0; Mismatches 0;

Qy 18 EEVTTFFDYDYGAPCKFDVKOIGAQQLPLPVLSLVLFGFVNMLVVLINCKKLKCLT 77
 Db 1 EEVTTFFDYDYGAPCKFDVKOIGAQQLPLPVLSLVLFGFVNMLVVLINCKKLKCLT 60

Qy 78 DLYLLNIAISDLFLITPLWAHSAAANWEGNAMCKLFTGLYHIGYFGGIFTILITID 137
 Db 61 DLYLLNIAISDLFLITPLWAHSAAANWEGNAMCKLFTGLYHIGYFGGIFTILITID 120

Qy 138 RYLAIVHAVEFAALKARTVFGVVTSTWLVAFASVPGLIFTKQKEDSVVYCPYFPKG 197
 Db 121 RYLAIVHAVEFAALKARTVFGVVTSTWLVAFASVPGLIFTKQKEDSVVYCPYFPKG 180

Qy 198 WNNFHITMRNITGLVPLLIWICYSGLKTLRCLRNKEKKRRAVRFITIMVYFLWT 240
 Db 1 PYNTVILNTQEFFGNSNCESTSOLDDQATOVTETLGTMTHCCINPITIAYFGKFRSLFH 317

Qy 78 DLYLLNIAISDLFLITPLWAHSAAANWEGNAMCKLFTGLYHIGYFGGIFTILITID 137
 Db 61 DLYLLNIAISDLFLITPLWAHSAAANWEGNAMCKLFTGLYHIGYFGGIFTILITID 120

Qy 138 RYLAIVHAVEFAALKARTVFGVVTSTWLVAFASVPGLIFTKQKEDSVVYCPYFPKG 197
 Db 121 RYLAIVHAVEFAALKARTVFGVVTSTWLVAFASVPGLIFTKQKEDSVVYCPYFPKG 180

Qy 198 WNNFHITMRNITGLVPLLIWICYSGLKTLRCLRNKEKKRRAVRFITIMVYFLWT 257
 Db 1 PYNTVILNTQEFFGNSNCESTSOLDDQATOVTETLGTMTHCCINPITIAYFGKFRSLFH 300

Qy 318 IALGCRIAPLQKPVCGGPVPGKVNKVTTQGLLDRGKGKSIG 361
 Db 301 IALGCRIAPLQKPVCGGPVPGKVNKVTTQGLLDRGKGKSIG 344

RESULT 4
 US-09-725-285-9
 ; Sequence 9, Application US/09725285
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Yi
 ; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10
 ; FILE REFERENCE: 1488.1150003
 ; CURRENT APPLICATION NUMBER: US/09/725, 285
 ; CURRENT FILING DATE: 2000-11-29
 ; PRIORITY NUMBER: US 60/1000024 A1
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIORITY NUMBER: 09/339, 912
 ; PRIOR FILING DATE: 1998-11-18
 ; PRIORITY NUMBER: 08/466, 343
 ; PRIOR FILING DATE: 1995-06-06
 ; NUMBER OF SEQ ID NOS: 9
 ; SEQ ID NO 9
 ; LENGTH: 329

RESULT 3
 US-09-779-880A-9
 ; Sequence 9, Application US/09779880A
 ; GENERAL INFORMATION:

TYPE: PRT ; ORGANISM: Protein
US-09-725-2B5-9

Query Match Score 1727.5; DB 10; Length 329;
Best Local Similarity 95.6%; Pred. No. 5.3e-14;
Matches 329; Conservative 0; Mismatches 0; Indels 15; Gaps 1;

QY 18 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 77
DB 61 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 105

QY 78 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 60

QY 138 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 197

DB 106 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 165

QY 198 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 257

DB 166 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 225

QY 258 PYNTIVILLNTQEFFGLSNCESTSQLDATAOTETLGTHCCINPIYAFIGEKFSLFH 317

DB 226 PYNTIVILLNTQEFFGLSNCESTSQLDATAOTETLGTHCCINPIYAFIGEKFSLFH 285

QY 318 IALGCRIAPLQKPVCGGPVGRPKNVKVTQGLLDRGKGKSIG 361

DB 286 IALGCRIAPLQKPVCGGPVGRPKNVKVTQGLLDRGKGKSIG 329

RESULT 5
US-09-155-662A-9
; Sequence 9, Application US/09195662A
; Patent No. US20020076745A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven, M.
; FILE REFERENCE: 1488-150002
; CURRENT APPLICATION NUMBER: US/09/195, 662A
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466, 343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO: 9
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Protein
US-09-155-662A-9

Query Match Score 1727.5; DB 10; Length 329;
Best Local Similarity 95.6%; Pred. No. 5.3e-14;
Matches 329; Conservative 0; Mismatches 0; Indels 15; Gaps 1;

QY 18 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 77
DB 1 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 60

QY 18 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 77
DB 1 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 60

QY 78 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 137

DB 61 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 105

QY 138 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 197
DB 106 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 165

QY 198 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 257
DB 166 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 225

QY 258 PYNTIVILLNTQEFFGLSNCESTSQLDATAOTETLGTHCCINPIYAFIGEKFSLFH 317
DB 226 PYNTIVILLNTQEFFGLSNCESTSQLDATAOTETLGTHCCINPIYAFIGEKFSLFH 285

QY 318 IALGCRIAPLQKPVCGGPVGRPKNVKVTQGLLDRGKGKSIG 361
DB 286 IALGCRIAPLQKPVCGGPVGRPKNVKVTQGLLDRGKGKSIG 329

RESULT 7
US-09-502-783A-9
; Sequence 9, Application US/09502783A
; Patent No. US2002013265A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven, M.
; FILE REFERENCE: 1488-150002
; CURRENT APPLICATION NUMBER: 08/466, 343
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466, 343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO: 9
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Protein
US-09-502-783A-9

Query Match Score 1727.5; DB 10; Length 329;
Best Local Similarity 95.6%; Pred. No. 5.3e-14;
Matches 329; Conservative 0; Mismatches 0; Indels 15; Gaps 1;

QY 18 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 77
DB 1 EEVTTFFDYDGAQCHFDVQTAQQLPPLSLLVEFGFVNMLVVLINCKKLKLT 60

QY 78 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 137
DB 61 DIYLNLNLAISDLFLITLPLWAHSAANNEWFGNAMCKLFTGLYHIGFYGGIFFITLTLID 105

QY 138 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 197
DB 106 RYLAIVHAFLKARTVFGVTTSVTWLWAVAFASVPGIIFTKQOKEDSVYCGPYPRG 165

QY 198 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 257
DB 166 WNNFHTIMRNILGLVLLIMIVCYSGIILTLLCRNEKKRRAVRLFTIMIVYELFWT 225

CURRENT APPLICATION NUMBER: US/09/502,783A
; CURRENT FILING DATE: 2001-08-23
; PRIORITY NUMBER: 08/466,343
; PRIORITY FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 9
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Protein
; US-09-502-783A-9

Query Match Score 87.7%; Best Local Similarity 95.6%; Pred. No. 5.3e-14; Matches 329; Conservative 0; Mismatches 0; Indels 15; Gaps 1;

Qy 18 EEVTTFFDYDGAAPCKFDVKQGAQLLPPLYSLVETFGVNMFLVVLTLINCKKLKCLT 77
Db 1 EEVTTFFDYDGAAPCKFDVKQGAQLLPPLYSLVETFGVNMFLVVLTLINCKKLKCLT 60

78 DYLNLALASDLFLITPLWAHSAAANEWFGNAMCKLFPTGLYHIGYPCGIFITLLTD
Db 61 DYLNLALASDLFLITPLWAHSAAANEWFGNAMCKLFPTGLYH------ 105

Qy 138 RYLAIVHAFAALKARTVTGGTTSVITLVAVFASVPGIFTQKOGAQPLPLYSLVYCPYFPRG 197
Db 106 RYLAIVHAFAALKARTVTGGTTSVITLVAVFASVPGIFTQKOGAQPLPLYSLVYCPYFPRG 165

Qy 198 WNNFHFTMRNLTGLVPLIMITYCGSILKTLRCRNEKKHRRAVRLIFTIMIVYFLWT 257
Db 166 WNNFHFTMRNLTGLVPLIMITYCGSILKTLRCRNEKKHRRAVRLIFTIMIVYFLWT 225

Qy 258 PYNNVILNTFOEFFGSNCESTSOLDOATQVETLGMTTHCCINPIIAFGVKEFSLFH 317
Db 226 PYNNVILNTFOEFFGSNCESTSOLDOATQVETLGMTTHCCINPIITYAFVGKEFSLFH 285

Qy 318 TALGCRTAPlQPKPVCGPGRPKNVKVTQGLLDGROKGKSTG 361
Db 286 TALGCRTAPlQPKPVCGPGRPKNVKVTQGLLDGROKGKSIG 329

RESULT 8
US-09-131-827A-2
; Sequence 2, Application US/09131827A
; PARENT INFORMATION:
; APPLICANT: Dean, Michael
; O'Brien, Stephen J.
; APPLICANT: Smith, Michael
; APPLICANT: Carrington, Mary
; TITLE OF INVENTION: DELAYED PROGRESSION TO AIDS BY A FILE REFERENCE: 14014.0333
; CURRENT APPLICATION NUMBER: US/09/131-827A
; CURRENT FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/055,659
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-131-827A-20

Query Match Score 83.8%; Best Local Similarity 95.2%; Pred. No. 4.7e-140; Matches 4; Mismatches 5; Indels 7; Gaps 3;

Qy 1 MLSTSRSRFlRNTNESGEETFFDYDGAAPCKFDVKQGAQLLPPLYSLVYCPYFVG 60
Db 1 MLSTSRSRFlRNTNESGEETFFDYDGAAPCKFDVKQGAQLLPPLYSLVYCPYFVG 60

Qy 61 MLVVLILINCKKLKCLTDYLLNLAISDLFLITPLWAHSAAANEWFGNAMCKLFPTGLY 120
Db 61 MLVVLILINCKKLKCLTDYLLNLAISDLFLITPLWAHSAAANEWFGNAMCKLFPTGLY 120

Qy 121 HIGYFGIFFLILTDYLAIVHAFAALKARTVTGGTTSVITLVAVFASVPGIFPTK 180
Db 121 HIGYFGIFFLILTDYLAIVHAFAALKARTVTGGTTSVITLVAVFASVPGIFPTK 180

Qy 181 CQKEDSVYVCGPYFPRGWNHFTIMRNLTGLVPLIMITYCGSILKTLRCRNEKKHR 240
Db 181 CQKEDSVYVCGPYFPRGWNHFTIMRNLTGLVPLIMITYCGSILKTLRCRNEKKHR 240

Qy 241 AVRVIFTIMIVYFLFWTPYNNVILNTFOEFFGSNCESTSOLDOATQVETLGMTTHCCJ 300
Db 241 AVRVIFTIMIVYFLFWTPYNNVILNTFOEFFGSNCESTSOLDOATQVETLGMTTHCCJ 300

Qy 301 NPIIYAFVGKEFR--SLF--HIALG-CRIAPL 327
Db 301 NPIIYAFVGKEFRYLSVFRKHITKRFCKQCPV 334

Qy 1 MLSTSRSRFlRNTNESGEETFFDYDGAAPCKFDVKQGAQLLPPLYSLVYCPYFVG 60
Db 1 MLSTSRSRFlRNTNESGEETFFDYDGAAPCKFDVKQGAQLLPPLYSLVYCPYFVG 60

RESULT 1.0
 US-09-938-719-7
 ; Sequence 7, Application US/09/938719
 ; Patent No. US20020106742A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SAMSON, MICHEL
 ; PARMENTIER, MARC
 ; LIBERT, FREDERICK
 ; VASSART, GILBERT
 ; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
 ; NUMBER OF SEQUENCES: 17
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Knobbe, Martens, Olson & Bear
 ; STREET: 620 Newport Center Drive 16th Floor
 ; CITY: Newport Beach
 ; STATE: CA
 ; COUNTRY: U.S.A.
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
 ; CURRENT APPLICATION NUMBER: US/09/938-719
 ; FILING DATE: 24-Aug-2001
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/626,939
 ; FILING DATE: 27-JULY-2000
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Altman, Daniel E
 ; REGISTRATION NUMBER: 34,115
 ; REFERENCE/DOCKET NUMBER: <Unknown>
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 360 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: No. US2002106742A1
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 ; US-09-938-719-7

Query Match 83 5%; Score 1645 5; DB 10; Length 360;
 Best Local Similarity 94.9%; Pred. No. 1.3e-139;
 Matches 317; Conservative 4; Mismatches 6; Indels 7; Gaps 3;

Qy 1 MLSTSRSRFRNTNNESEEVVTFDYDGAPECHKDVKQTGAQLLPLPLSFLVFFGFGVN 60
 Db 1 MLSTSRSRFRNTNNESEEVVTFDYDGAPECHKDVKQTGAQLLPLPLSFLVFFGFGVN 60

Qy 61 MLVVLILINCKKLCKLTDIYLNLNAISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLY 120
 Db 61 MLVVLILINCKKLCKLTDIYLNLNAISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLY 120

Qy 121 HIGYFGGIFFFLLTIDRYLAIVHAYFALKARTVFGVVTSVITWLVAFAASVPGIFTK 180
 Db 121 HIGYFGGIFFFLLTIDRYLAIVHAYFALKARTVFGVVTSVITWLVAFAASVPGIFTK 180

Qy 181 CQKEDSVYVGCPYPPRGWNNFHFTMRNLGLVPLPLIMIVCYSGTLKTLRCNEKKRHR 240
 Db 181 CQKEDSVYVGCPYPPRGWNNFHFTMRNLGLVPLPLIMIVCYSGTLKTLRCNEKKRHR 240

Qy 241 AVRVIPTIMIVYFLFWTPYNTVNLNTFQEFGLSNCESTSQLDQATQVTETLGTHCCCI 300
 Db 241 AVRVIPTIMIVYFLFWTPYNTVNLNTFQEFGLSNCESTSQLDQATQVTETLGTHCCCI 300

Qy 301 NPIIYAFGEKFR--SLF---HIALG-CRIAPL 327
 Db 301 NPIIYAFGEKFR--SLF---HIALG-CRIAPL 327

Db 301 NPIIYAFVGKERRQTISVFFRKHIXXXFCQCPV 334

RESULT 12

US-09-938-703-7

; Sequence 7, Application US/09938703

; Patent No. US2002110870A1

; GENERAL INFORMATION:

; APPLICANT: SAMSON, MICHEL

; PARMISTER, MARC

; VASSART, GILBERT

; LIBERT, FREDERICK

; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:; ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor

; CITY: Newport Beach

; STATE: CA

; COUNTRY: U S A.

; ZIP: 92660

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/938,703

; FILING DATE: 24-Aug-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/626,939

; FILING DATE: 2000-07-27

; ATTORNEY/AGENT INFORMATION:

; NAME: Altman, Daniel E

; REGISTRATION NUMBER: 34,115

; REFERENCE/DOCKET NUMBER: <Unknown>

; INFORMATION FOR SEQ ID NO: 7

; SEQUENCE CHARACTERISTICS:

; LENGTH: 360 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: No. US20020110870A1

; SEQUENCE DESCRIPTION: SEQ ID NO: 7;

; US-09-938-703-7

Query Match 83.5%; Score 1645.5; DB 10; Length 360;

; Best Local Similarity 94.9%; Pred. No. 1.3e-139; Mismatches 4; Indels 6; Gaps 3;

; US-09-104-792-3

Query 1 MLSTSRSRFRNTNESGEVTTFFDYYGAPCKFKDVKIGAQQLPLPLSIVFIFGVGNMLVVLFLINCKKL 73

Db 1 MLSTSRSRFRNTNESGEVTTFFDYYGAPCKFKDVKIGAQQLPLPLSIVFIFGVGNMLVVLFLINCKKL 60

Qy 61 MLVVLFLINCKKLCKTDIYLNLIAISDLFLITLPLWAHSAANEWVGNAMCKLFTGLY 120

Db 61 MLVVLFLINCKKLCKTDIYLNLIAISDLFLITLPLWAHSAANEWVGNAMCKLFTGLY 120

Qy 121 HIGYFGGIFFILLTIDRYLAIVHAFALKARTVTFGVVTSVITWLVAFAVSYPGLIIFTK 180

Db 121 HIGYFGGIFFILLTIDRYLAIVHAFALKARTVTFGVVTSVITWLVAFAVSYPGLIIFTK 180

Qy 181 QOKEDSYVCGPYFPROWNNFIPTMRNLLGVLPLLMIVCYSGLKLLRCNEKEKRR 240

Db 181 QOKEDSYVCGPYFPROWNNFIPTMRNLLGVLPLLMIVCYSGLKLLRCNEKEKRR 240

Qy 241 AVRVIPTIMYFLFWTPNIVTLLNTEQQEFGLSNCESTSOLDQATOVTETLGMTMCII 300

Db 241 AVRVIPTIMYFLFWTPNIVTLLNTEQQEFGLSNCESTSOLDQATOVTETLGMTMCII 300

Qy 301 NPIIYAFVGKERRQTISVFFRKHIXXXFCQCPV 334

Db 301 NPIIYAFVGKERRQTISVFFRKHIXXXFCQCPV 334

Qy RESULT 13

; Sequence 3, Application US/09104792

; Patent No. US2002019026A1

; GENERAL INFORMATION:

; APPLICANT: Soppet, Daniel R.

; APPLICANT: YI, Li

; APPLICANT: Ruben, Steven M.

; APPLICANT: Rosen, Craig A.

; TITLE OF INVENTION: HUMAN G-PROTEIN RECEPTOR HGBER32

; NUMBER OF SEQUENCES: 7

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CARELLA, BYRNIE, BAIN, GILFILLAN, CECCHI,

; STREET: 6 Becker Farm Road

; CITY: Roseland

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07068

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/104,792

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/461,244

; FILING DATE: 05-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Ferraro, Gregory D.

; REGISTRATION NUMBER: 36,134

; REFERENCE/DOCKET NUMBER: 325800-445

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-994-1700

; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 347 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-09-104-792-3

Query Match 80.7%; Score 1589.5; DB 10; Length 347;

; Best Local Similarity 95.3%; Pred. No. 1.3e-134; Mismatches 3; Indels 7; Gaps 3;

; Matches 306; Conservative 3; Mismatches 5;

; Query 14 NESGEVNTFFDYGAPCKFKDVKIGAQQLPLPLSIVFIFGVGNMLVVLFLINCKKL 73

Db 1 NESGEVNTFFDYGAPCKFKDVKIGAQQLPLPLSIVFIFGVGNMLVVLFLINCKKL 60

Qy 74 KCLTDIYLNIAISDLFLITLPLWAHSAANEWVGNAMCKLFTGLYHIGYFGGIFFIL 133

Db 61 KCLTDIYLNIAISDLFLITLPLWAHSAANEWVGNAMCKLFTGLYHIGYFGGIFFIL 120

Qy 134 LTIDRYLAIVHAVFAKARTVTFGVVTSVITWLVAFAVSYPGLIIFTKQOKEDSYVCGPY 193

Db 121 LTIDRYLAIVHAVFAKARTVTFGVVTSVITWLVAFAVSYPGLIIFTKQOKEDSYVCGPY 180

Qy 194 FPRGNNEHTIMRNLLGVLPLLMIVCYSGLKLLRCNEKEKRRVLTIMIVYF 253

Db 181 FPRGNNEHTIMRNLLGVLPLLMIVCYSGLKLLRCNEKEKRRVLTIMIVYF 240

Qy 254 LFWTPTNVILLNTFFDEFGNSCESTSOLODQATOVTETLGMTMCII 313

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RESULT 14
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US-10-232-686-2
; Sequence 2, Application US/10232686
Qy 314 ---SLF---HIALG-CRIAPL 327
; Publication No. US2003002304A1
Db 301 RYLSVFEFRKHITKRFCKQCPCV 321
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor (CCR5) HDGNR10
; FILE REFERENCE: 1488.115000N
; CURRENT APPLICATION NUMBER: US/10/232,686
; CURRENT FILING DATE: 2002-09-03
; PRIORITY APPLICATION NUMBER: 09/339,912
; PRIORITY FILING DATE: 1999-06-25
; PRIORITY APPLICATION NUMBER: 09/195,662
; PRIORITY FILING DATE: 1998-11-18
; PRIORITY APPLICATION NUMBER: 08/466,343
; PRIORITY FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-232-686-2

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Query	Match	Score	DB 9;	Length
Best	Local	62.18;	1224;	352;
Similarity		76.38;	Pred. No 7.2e-102;	12

82 LNLAIISDLFLITLPLWAHSAAANEWFGNAMCKLFTGGLYHIGYFGGGIFFIILLLDRYL A 14

70 LNQALISDLFFLTLTVPWAHYAAAQWDFGTMQLLTGLYFIGFFSGIFFILLTIDRYLA 126
71 LIVAVENIKAAPDPMVTCVMMVSVTTMVT VAVTAASVDPCTTETPKOKEKDSVWVCCPVED- 171-RG 19

Search completed: May 19, 2003, 1:01:07
Job time : 36:139 secs

RESULT 15
US-09-725-285-2
; Sequence 2, Application US/09725285
; Patent No. US2010000241A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10
; TITLE OF INVENTION: (CCR5 Receptor)
; FILE REFERENCE: 14811150003
; CURRENT APPLICATION NUMBER: US/09/725,285
; CURRENT FILING DATE: 2000-11-29

